Intel® SNMP Subagent v6.0

Release Notes

Release Date: May, 2013

Build # 7

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1. **Package Contents**

   - Intel SNMP Subagent v6.0.7

2. **Supported Operating Systems**

   - Microsoft Windows* Server 2012
   - Microsoft Windows* Server 2008 R2 SP1
   - Red Hat* Linux* Enterprise 5.9/6.4 (x86/x64)
   - SuSE* Linux ES 10 SP4 (x86/x64)
   - SuSE* Linux ES 11 SP2 (x86/x64)

3. **Supported Server Platforms**

   Multi-Core Intel® Xeon® Processor E3 Sequence-based Servers

   - Intel® Server Board S1200RPL
   - Intel® Server Board S1200RPS
   - Intel® Server Board S1200RPO
   - Intel® Server Board S1200RPM

4. **Supported Languages**

   - Supported languages for Intel® SNMP Subagent
     - English
     - Brazilian Portuguese
     - Chinese Simplified
     - Chinese Traditional
     - French
     - German
     - Italian
     - Japanese
     - Korean
     - Russian
     - Spanish

5. **Features**

Through basic SNMP GETs and TRAPs, the Intel® SNMP Subagent provides the following functionality for managing servers:

   - Accessing sensor data
   - Viewing threshold settings
   - Reading the SMBIOS tables
   - Providing overall system health status

6. Installation & Uninstallation

6.1. Installation using DVD

- Insert the DVD and browse using Windows* Explorer.

- Navigate to <Drive Name>:\ software\utilities\windows

- To Install SNMP Subagent for 32 bit Windows server, double click Intel SNMP Subagent-x86.exe from SNMP_SA_i386 folder and follow the instructions.

- To Install Intel® SNMP Subagent for 64 bit Windows server, double-click Intel SNMP Subagent-x86_64.exe from SNMP_SA_64 folder and follow the instructions.

6.1.1. Installation using standalone installer

- To Install Intel® SNMP Subagent for 32 bit Windows server, double click Intel SNMP Subagent-x86.exe from SNMP_SA_i386 folder and follow the instructions

- To Install Intel® SNMP Subagent for 64 bit Windows server, double click Intel SNMP Subagent-x86_64.exe from SNMP_SA_64 folder and follow the instructions

- To install SNMP Subagent in Linux, run snmpsubagentinstall.sh.

6.1.2. Upgrade

No upgrade available. Uninstall the previous Utilities before installing.

6.1.3. Uninstallation

- Use control panel Add / Remove programs to un-install the Intel® Server Management SNMP Subagent.

- In Linux, run snmpsubagent_uninstall.sh.

7. Known Issues

- Windows* version of Intel® SNMP Subagent may give a warning "*Windows can't verify the publisher of this driver software*" during installation for three drivers that are part of Intel® SNMP Subagent package. User must select the option "*Install this driver software anyway*" to proceed with installation. Once installed, the drivers will show up as not digitally signed in the properties page of the driver. However, the drivers are digitally certified by Microsoft*. The Microsoft **"sigverif"** utility will show up the three drivers (flashud.sys, ibsmutil.sys and imbdrv.sys) as WHQL certified.

- Intel® SNMP subagent is not completely supported in GPT style partitioned OS. The smbios and bios queries will fail.

- The SNMPSA installer may show error message "insserv: service syslog is missed in the runlevels 4 to use service snmpsa" on SuSE* 11 due to the installation script checks whether the SNMPSA service is running on OS run levels 4. The issue will not impact the SNMPSA installation and functionality, Intel will fix this issue in future release

- Installation in RHEL4.x using install script may fail with the following error

  "error: File not found by glob: ./rhlinux/x86_64/el3.0/snmpsa.x86_64.rpm"*

  This is due to an error in install script. Renaming the folder el5.0 in rhlinux/x86_64/ to el3.0 or changing the path install script *snmpsubagentinstall.sh* to el5.0 will solve the problem.

- Net-snmp may record all the successful connections in log file and cause the disk space to be consumed quickly on some Linux OS.

  To turn off this logging on SuSE*

- o Change SNMPD_LOG_SUCCESSFUL_CONNECTIONS="yes" to "no" in " /etc/sysconfig/net-snmp" file
- o Restart snmpd and snmpsa services.

To turn off this logging on RHEL* 6.x

- o Enable the option of < OPTIONS="-Lf /dev/null -p /var/run/snmpd.pid" > in " /etc/sysconfig/snmpd.pid" file
- o Restart snmpd and snmpsa services.

Platform Specific Intel® Xeon® Processor E5 Sequence-based Servers

- Drive Slot Device Inserted or Removed SNMP Trap will not be generated.

8. Trouble shooting Instructions

If the Intel® SNMP Subagent or Master locks up, you must restart both agents. Use the following steps from the command line to restart the agents, depending on your operating system. For information on setting services or daemons to start at system boot, see your operating system documentation.

Linux* Operating System
- Stop the subagent by entering the following command:
    /etc/init.d/snmpsa stop

- Restart the master agent by entering the following command:
    /etc/init.d/snmpd restart

- Start the subagent by entering the following command:
    /etc/init.d/snmpsa start

Windows* Operating System

In Windows* Operating System, choose Start > Control Panel > Administrative Tools > Services, then stop and restart the SNMP Service.

9. Release Change Logs:

9.1. Build 7

- Fixed issue on incorrect value display on "chassisKeyboardPasswordStatus", ChassisPowerOnPasswordStatus" and "ChassisFrontPanelResetStatus" in Linux Operating System.
- Updated snmpsa.conf.

9.2. Build 6

- Fixed an issue of SNMPSA service stop after performing chassis intrusion fault injection in windows server 2008 R2

9.3. Build 5

- Fixed an issue of SNMPSA unable to send trap for system chassis intrusion.

- Fixed an issue of Drive removal / insertion trap not received.

9.4. Build 4

- Fixed an issue of the middleware (CacheRiver) is not working along with SNMPSA
- Fixed an issue of the middleware(CacheRiver) v4.0 and v5.0 not working along with SNMPSA in windows2012

9.5. Build 3 Patch 1

- Added new health level support for Linux Operating System

9.6. Build 3

- Added new health levels on Windows* OS
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No.	Old Health Level	New Health Level
1	Other	Unavailable
2	Unknown	Unavailable
3	Ok	Healthy
4	Non Critical	Warning
5	Critical	Critical
6	Non Recoverable	Critical

- Fixed an issue of system health change module not working
- Fixed an issue of traps are not generated for some sensor status change
- Fixed an issue of SNMPSA 5.0 build 12 cannot report trap for voltage sensors
- Fixed an issue of traps status shows 'OK' for Fan sensor reads below threshold

9.7. Build 2

- Added Circular SEL Support
- Added HRS Based Trap Description

9.8. Build 1

- Added the new sensor support

Sensor type	SNMP SA 5.0 Sensors	SNMP SA 6.0 Sensors
TEMPERATURE	Yes	Yes
VOLTAGE	Yes	Yes
CURRENT	No	Yes
FANS	Yes	Yes
CHASSIS	No	Yes
PROCESSOR	No	Yes
POWERSUPPLY	Yes	Yes
POWERUNIT	Yes	Yes
UNITS_BASED	No	Yes
MEMORY	No	Yes
DRIVE_SLOT	Yes	Yes
SYSTEM_FIRMWARE_PROGRESS	No	Yes
SYSTEM_EVENT	No	Yes
CRITICAL_INTERRUPT	No	Yes
MICROCONTROLLER	No	Yes
SLOT_SENSORS	No	Yes
WATCHDOG2	No	Yes
ENTITY_PRESENCE	No	Yes
MANAGEMENT_SUBSYSTEM	No	Yes
BATTERY	No	Yes
NM	No	Yes
SMI_TIMEOUT	No	Yes